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Micro total analysis system

K Higashino, A Nakajima, Y Sando - US Patent App. 11/378,519, 2006 - Google Patents

... micro-machine technology and microscopic processing technology, systems are being developed in which devices and means (for example pumps, valves, flow paths, **sensors** and the like) for performing conventional sample preparation, chemical **analysis**, chemical synthesis ...

[All 4 versions](#)

Existence of a bovine LINE repetitive insert that appears in the cDNA of bovine ...

I Takahashi, T Nobukuni, H Onimori, M Kobayashi, S ... - Gene, 1998 - Elsevier

... Sequencing data were surveyed against the DDBJ/EMBL/GenBank **nucleic** acid database and analyzed ... in various tissues, we examined the expression of hBCNT mRNA by Northern blot **analysis**. ... of human tissues was obtained from Clontech (CL7760-1). The **filter** was probed ...

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Microscale devices and reactions in microscale devices

MA Burns, CH Mastrangelo, TS Sammarco, ... - US Patent App. 09/ ..., 2000 - Google Patents

... reagent microdroplets can be injected, measured, and moved between the biochemical **analysis** components ... at 65°C. for 10 minutes) using the integral heaters and temperature **sensors**. ... While a variety of **reverse flow** approaches are possible, one or two direction changes over ...

[Cited by 3](#) - [Related articles](#) - [All 4 versions](#)

Emerging applications of aptamers to micro-and nanoscale biosensing

TH Nguyen, JP Hilton, Q Lin - Microfluidics and Nanofluidics, 2009 - Springer

... is a device used to detect the presence of and in particular cases, **analyze** a given target ... Lastly, a comparison study with the **sensor** against a commercial surface plasmon resonance (SPR) system ... aptamer for its ligand determined by classical methods, such as **filter** binding or ...

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Micro-reactor, biological material inspection device, and microanalysis system

A Nakajima, E Ueda, K Higashino, Y ... - US Patent App. 11/ ..., 2005 - Google Patents

... preparation, chemical **analysis** and chemical synthesizing (eg pump, valve, flow path and **sensor**) on a chip ... Non-patent Document 1) (DNA Chip Technologies and Its Applications), (Protein, **nucleic** acid, enzyme ... to be of a disposable type to make it to be an **analyzing** tool with ...

[All 4 versions](#)

Chip-based isothermal amplification devices and methods

MA Burns, DT Burke, BN Johnson, JD ... - US Patent App. 10/ ..., 2002 - Google Patents

... will comprises a **nucleic** acid detection means operably connected to, or in electrical communication with, the **nucleic** acid **analysis** component. ... Such DNA **sensor** means may be pn-type diffusion diodes or pn-type diffusion diodes combined with a wavelength **filter** and an ...

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Microfluidic particle-analysis systems

A Davidson - US Patent App. 10/640,510, 2003 - Google Patents

... 18,2004 (54) MICROFLUIDIC PARTICLE-**ANALYSIS** SYSTEMS (75) Inventor: Antoine Davidson, Belmont, CA (US) Correspondence Address: FLUIDIGM CORPORATION 7100 SHORELINE COURT SOUTH SAN FRANCISCO, CA 94080 (US) (73) Assignee: Fluidigm Corporation ...